



ELSEVIER

Mathematics and Computers in Simulation 50 (1999) 597-599



MATHEMATICS
AND
COMPUTERS
IN SIMULATION

www.elsevier.nl/locate/matcom

Author index of volume 50 (1999)

(The issue number is given in front of the page number)

- Ackley, S.F.**, *see* **Cheney, M.** (5-6) 527-539
- Axelsson, O.** On iterative solvers in structural mechanics; separate displacement orderings and mixed variable methods (1-4) 11-30
- Bartoš, M.**, **Z. Kestřánek, Jr.**, **Z. Kestřánek, J.** **Nedoma** and **J. Stehlík**, On the 2D and 3D finite element simulation in orthopaedy using MRI (1-4) 115-121
- Bartoš, M.**, *see* **Nedoma, J.** (1-4) 285-304
- Beauwens, R.** Implementation strategies for block recursive factorizations (1-4) 31-41
- Belishev, M.** and **A. Glasman**, Riccati equation in projecting solenoidal fields (5-6) 419-434
- Blaheta, R.** Adaptive composite grid methods for problems of plasticity (1-4) 123-134
- Bock, I.** On large deflections of viscoelastic plates (1-4) 135-143
- Brandts, J.H.** Improving the convergence of some boundary element methods (1-4) 145-152
- Černý, R.** and **P. Přikryl**, Numerical solution of a Stefan-like problem in laser processing of semiconducting alloys (1-4) 165-173
- Cheney, M.**, **D. Isaacson**, **V.I. Lytle** and **S.F. Ackley**, Recovery of surface parameters from stepped-frequency radar returns (5-6) 527-539
- Della Croce, L.** and **T. Scapolla**, Solving cylindrical shell problems with a non-standard finite element (1-4) 153-164
- Eck, C.**, **O. Steinbach** and **W.L. Wendland**, A symmetric boundary element method for contact problems with friction (1-4) 43-61
- Ewing, R.E.**, **Z. Li**, **T. Lin** and **Y. Lin**, The immersed finite volume element methods for the elliptic interface problems (1-4) 63-76
- Fishman, L.**, *see* **Hoop, M. de** (5-6) 373-374
- Folkow, P.D.** and **K. Kreider**, Direct and inverse problems on nonlinear rods (5-6) 577-595
- García-Moreno, J.A.**, *see* **Sánchez-Ávila, C.** (1-4) 323-329
- Georgiev, A.**, **S. Margenov** and **M. Neytcheva**, Multilevel algorithms for 3D simulation of nonlinear elasticity problems (1-4) 175-182
- Glasman, A.**, *see* **Belishev, M.** (5-6) 419-434
- Godlewski, E.** and **P.-A. Raviart**, The linearized stability of solutions of nonlinear hyperbolic systems of conservation laws. A general numerical approach (1-4) 77-95
- Gustafsson, M.** and **S. He**, A wave-splitting based optimization approach to multi-dimensional time-domain electromagnetic inverse problems (5-6) 541-551
- He, J.** and **V.H. Weston**, Layer-stripping and parameter reconstruction for a hyperbolic equation in a three-dimensional inhomogeneous half-space (5-6) 511-525
- He, S.**, *see* **Gustafsson, M.** (5-6) 541-551

- He, S. and V.G. Romanov**, Identification of small flaws in conductors using magnetostatic measurements (5-6) 457-472
- He, S. and V.H. Weston**, Wave-splitting and absorbing boundary condition for Maxwell's equations on a curved surface (5-6) 435-455
- Holubová-Tajčová, G.** Mathematical modeling of suspension bridges (1-4) 183-197
- Hoop, M. de and L. Fishman**, Wave splitting and inverse problems (5-6) 373-374
- Hornátová, H.**, *see* Nedoma, J. (1-4) 285-304
- Isaacson, D.**, *see* Cheney, M. (5-6) 527-539
- Křížek, M.**, *see* Koukal, S. (1-4) 215-225
- Křížek, M.** Numerical experience with the finite speed of gravitational interaction (1-4) 237-246
- Kestřánek, Z.**, *see* Bartoš, M. (1-4) 115-121
- Kestřánek, Z.** Iterative methods for contact problems (1-4) 199-204
- Kestřánek, Jr., Z.**, *see* Bartoš, M. (1-4) 115-121
- Kestřánek, Jr., Z.**, *see* Nedoma, J. (1-4) 285-304
- Kohút, I.**, *see* Kostecký, P. (1-4) 205-214
- Kostecký, P. and I. Kohút**, Modelling of the rock structure stress field near the cavities and estimation of the cavity effect influence on the tidal measurements (1-4) 205-214
- Koukal, S. and M. Křížek**, On strongly regular families of piecewise quasi-uniform triangulations of certain curved plane domains (1-4) 215-225
- Králik, J. and M. Šimonovič**, Earthquake response analysis of nuclear power plant buildings with soil-structural interaction (1-4) 227-236
- Kreider, K.**, *see* Folkow, P.D. (5-6) 577-595
- Kurtović, S.** Statistical analysis and interpretation of resistivity sounding data in earthing grid design (1-4) 339-349
- Lakhany, A.M. and J.R. Whiteman**, Superconvergent recovery based error estimators (1-4) 97-114
- Li, Z.**, *see* Ewing, R.E. (1-4) 63-76
- Lin, T.**, *see* Ewing, R.E. (1-4) 63-76
- Lin, Y.**, *see* Ewing, R.E. (1-4) 63-76
- Lirkov, I. and S. Margenov**, MPI parallel implementation of CBF preconditioning for 3D elasticity problems (1-4) 247-254
- Lu, X. and R. Schmid**, Symplectic integration of Sine-Gordon type systems (1-4) 255-263
- Lu, Y.Y.** Exact one-way methods for acoustic waveguides (5-6) 377-391
- Lundstedt, J.**, *see* Wall, D.J.N. (5-6) 489-510
- Lytle, V.L.**, *see* Cheney, M. (5-6) 527-539
- Margenov, S.**, *see* Georgiev, A. (1-4) 175-182
- Margenov, S.**, *see* Lirkov, I. (1-4) 247-254
- McCoy, J.J.**, *see* Zion Steinberg, B. (5-6) 393-417
- Nedoma, J., M. Bartoš, H. Hornátová, Z. Kestřánek, Jr. and J. Stehlík**, Numerical analysis of the loosened total hip replacements (THR) (1-4) 285-304
- Nedoma, J.**, *see* Bartoš, M. (1-4) 115-121
- Nedoma, J.** Analysis of a coupled system of equations of a global geodynamic model of the earth (1-4) 265-283
- Neytcheva, M.**, *see* Georgiev, A. (1-4) 175-182
- Norgren, M.** Optimization approaches to frequency-domain inverse problems for Kerr-like and non-Kerr-like nonlinear media (5-6) 553-575
- Příkryl, P.**, *see* Černý, R. (1-4) 165-173
- Powell, J.O.** An inverse scattering method for a 1-D dissipative Helmholtz equation (5-6) 473-488

- Raviart, P.-A.**, *see* **Godlewski, E.** (1-4) 77-95
- Repin, S.I.** A unified approach to a posteriori error estimation based on duality error majorants (1-4) 305-321
- Romanov, V.G.**, *see* **He, S.** (5-6) 457-472
- Sánchez-Ávila, C.** and **J.A. García-Moreno**, An adaptive LSQR algorithm for computing discontinuous solutions in deconvolution problems (1-4) 323-329
- Savaidis, A.**, *see* **Zhang, C.** (1-4) 351-362
- Scapolla, T.**, *see* **Della Croce, L.** (1-4) 153-164
- Schmid, R.**, *see* **Lu, X.** (1-4) 255-263
- Segeth, K.** A posteriori error estimates and grid adjustment for a nonlinear parabolic equation (1-4) 331-338
- Šimonovič, M.**, *see* **Králik, J.** (1-4) 227-236
- Stehlík, J.**, *see* **Bartoš, M.** (1-4) 115-121
- Stehlík, J.**, *see* **Nedoma, J.** (1-4) 285-304
- Steinbach, O.**, *see* **Eck, C.** (1-4) 43-61
- Wall, D.J.N.** and **J. Lundstedt**, Inverse problems involving the one-way wave equation: medium function reconstruction (5-6) 489-510
- Wendland, W.L.**, *see* **Eck, C.** (1-4) 43-61
- Weston, V.H.**, *see* **He, J.** (5-6) 511-525
- Weston, V.H.**, *see* **He, S.** (5-6) 435-455
- Whiteman, J.R.**, *see* **Lakhany, A.M.** (1-4) 97-114
- Zhang, C.** and **A. Savaidis**, Time-domain BEM for dynamic crack analysis (1-4) 351-362
- Zion Steinberg, B.** and **J.J. McCoy**, A multiresolution homogenization of modal analysis with application to layered media (5-6) 393-417